The SAS System

The FREQ Procedure

Table of monthanal by analyear								
monthanal	**analyear**							
Frequency	**1900**	**2008**	**2009**	**2010**	**2011**	**2015**	**2020**	**2044**	**Total**
1	4323	0	28	1661	1600	0	0	0	7612
2	0	1	194	1850	1466	0	1	0	3512
3	0	0	189	1974	1796	0	0	0	3959
4	0	0	349	2217	1418	0	0	0	3984
5	0	0	641	2350	1226	1	0	1	4219
6	0	0	1299	2811	1203	0	0	0	5313
7	0	0	1013	1965	480	0	0	0	3458
8	0	0	1163	1741	346	0	0	0	3250
9	0	0	993	1623	0	0	0	0	2616
10	0	0	1156	1566	0	0	0	0	2722
11	0	0	1293	1766	0	0	0	0	3059
12	0	0	1777	1313	0	0	0	0	3090
Total	4323	1	10095	22837	9535	1	1	1	46794

The SAS System

The FREQ Procedure

Table 1 of chem1name by monthanal												
Controlling for analyear=1900												
chem1name(chem1name)	monthanal											
Frequency	1	2	3	4	5	6	7	8	9	10	11	12	Total
Annie Dookhan	0	0	0	0	0	0	0	0	0	0	0	0	0
Charles Salemi	0	0	0	0	0	0	0	0	0	0	0	0	0
Daniel Renczkowski	0	0	0	0	0	0	0	0	0	0	0	0	0
Daniela Frasca	115	0	0	0	0	0	0	0	0	0	0	0	115
Della Saunders	12	0	0	0	0	0	0	0	0	0	0	0	12
Elisabeth O'Brien	0	0	0	0	0	0	0	0	0	0	0	0	0
Hevis Lleshi	127	0	0	0	0	0	0	0	0	0	0	0	127
James Hanchett (B)	2	0	0	0	0	0	0	0	0	0	0	0	2
Kate Corbett	0	0	0	0	0	0	0	0	0	0	0	0	0
Lisa Glazer	0	0	0	0	0	0	0	0	0	0	0	0	0
Mai Ngoc Tran	15	0	0	0	0	0	0	0	0	0	0	0	15
Michael Lawler	1	0	0	0	0	0	0	0	0	0	0	0	1
Nicole Medina	0	0	0	0	0	0	0	0	0	0	0	0	0
PAUL SERVIZIO	0	0	0	0	0	0	0	0	0	0	0	0	0
Peter Piro	0	0	0	0	0	0	0	0	0	0	0	0	0
Rebecca Pontes	0	0	0	0	0	0	0	0	0	0	0	0	0
Sonja Farak	0	0	0	0	0	0	0	0	0	0	0	0	0
Stacey Desjardins	0	0	0	0	0	0	0	0	0	0	0	0	0
Worcester/ELO	43	0	0	0	0	0	0	0	0	0	0	0	43
Zhi Yi Tan	42	0	0	0	0	0	0	0	0	0	0	0	42
Total	357	0	0	0	0	0	0	0	0	0	0	0	357
Frequency Missing = 3966												

The SAS System

The FREQ Procedure

Table 2 of chem1name by monthanal												
Controlling for analyear=2008												
chem1name(chem1name)	monthanal											
Frequency	1	2	3	4	5	6	7	8	9	10	11	12	Total
Annie Dookhan	0	1	0	0	0	0	0	0	0	0	0	0	1
Charles Salemi	0	0	0	0	0	0	0	0	0	0	0	0	0
Daniel Renczkowski	0	0	0	0	0	0	0	0	0	0	0	0	0
Daniela Frasca	0	0	0	0	0	0	0	0	0	0	0	0	0
Della Saunders	0	0	0	0	0	0	0	0	0	0	0	0	0
Elisabeth O'Brien	0	0	0	0	0	0	0	0	0	0	0	0	0
Hevis Lleshi	0	0	0	0	0	0	0	0	0	0	0	0	0
James Hanchett (B)	0	0	0	0	0	0	0	0	0	0	0	0	0
Kate Corbett	0	0	0	0	0	0	0	0	0	0	0	0	0
Lisa Glazer	0	0	0	0	0	0	0	0	0	0	0	0	0
Mai Ngoc Tran	0	0	0	0	0	0	0	0	0	0	0	0	0
Michael Lawler	0	0	0	0	0	0	0	0	0	0	0	0	0
Nicole Medina	0	0	0	0	0	0	0	0	0	0	0	0	0
PAUL SERVIZIO	0	0	0	0	0	0	0	0	0	0	0	0	0
Peter Piro	0	0	0	0	0	0	0	0	0	0	0	0	0
Rebecca Pontes	0	0	0	0	0	0	0	0	0	0	0	0	0
Sonja Farak	0	0	0	0	0	0	0	0	0	0	0	0	0
Stacey Desjardins	0	0	0	0	0	0	0	0	0	0	0	0	0
Worcester/ELO	0	0	0	0	0	0	0	0	0	0	0	0	0
Zhi Yi Tan	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	1	0	0	0	0	0	0	0	0	0	0	1

The SAS System

The FREQ Procedure

Table 3 of chem1name by monthanal												
Controlling for analyear=2009												
chem1name(chem1name)	monthanal											
Frequency	1	2	3	4	5	6	7	8	9	10	11	12	Total
Annie Dookhan	8	45	57	57	87	70	69	174	152	42	278	622	1661
Charles Salemi	0	26	38	16	27	22	20	38	31	21	40	28	307
Daniel Renczkowski	0	0	0	0	134	203	24	43	37	43	33	66	583
Daniela Frasca	3	15	20	45	4	69	78	129	104	115	0	97	679
Della Saunders	2	5	16	48	71	33	10	27	18	59	53	62	404
Elisabeth O'Brien	8	53	1	76	23	6	2	0	17	9	1	0	196
Hevis Lleshi	0	0	0	0	0	0	0	0	0	0	0	0	0
James Hanchett (B)	0	0	0	0	0	0	17	13	16	30	0	0	76
Kate Corbett	0	20	0	0	0	0	0	0	0	35	71	78	204
Lisa Glazer	6	13	21	21	3	398	78	133	136	172	227	244	1452
Mai Ngoc Tran	0	0	0	20	127	107	67	64	44	47	34	49	559
Michael Lawler	1	17	26	31	61	54	35	9	33	3	30	80	380
Nicole Medina	0	0	10	21	2	20	66	6	21	67	87	75	375
PAUL SERVIZIO	0	0	0	0	0	0	0	0	0	0	0	0	0
Peter Piro	0	0	0	0	1	31	1	0	0	0	28	41	102
Rebecca Pontes	0	0	0	0	0	0	56	59	0	58	0	0	173
Sonja Farak	0	0	0	0	0	0	29	44	0	0	0	0	73
Stacey Desjardins	0	0	0	0	99	245	316	363	250	379	286	217	2155
Worcester/ELO	0	0	0	0	0	23	34	9	107	1	46	48	268
Zhi Yi Tan	0	0	0	14	2	17	111	52	27	62	72	69	426
Total	28	194	189	349	641	1298	1013	1163	993	1143	1286	1776	10073
Frequency Missing = 22												

The SAS System

The FREQ Procedure

Table 4 of chem1name by monthanal												
Controlling for analyear=2010												
chem1name(chem1name)	monthanal											
Frequency	1	2	3	4	5	6	7	8	9	10	11	12	Total
Annie Dookhan	423	664	537	572	561	570	562	500	547	370	694	592	6592
Charles Salemi	19	54	31	59	35	18	31	17	27	15	15	26	347
Daniel Renczkowski	11	30	31	61	97	89	24	15	14	3	23	33	431
Daniela Frasca	133	158	142	85	177	172	206	73	218	107	115	144	1730
Della Saunders	26	46	60	105	124	114	29	22	58	16	19	27	646
Elisabeth O'Brien	155	0	0	40	0	23	5	95	0	0	0	0	318
Hevis Lleshi	0	0	0	0	0	0	0	1	0	0	0	0	1
James Hanchett (B)	93	0	102	187	259	399	32	115	31	99	100	15	1432
Kate Corbett	93	140	152	70	134	226	66	123	123	76	63	107	1373
Lisa Glazer	148	158	159	209	251	230	209	255	131	214	126	1	2091
Mai Ngoc Tran	62	31	113	67	62	74	115	78	83	101	111	71	968
Michael Lawler	14	33	55	92	74	122	74	27	11	4	0	30	536
Nicole Medina	87	146	206	149	121	142	148	52	79	70	19	0	1219
PAUL SERVIZIO	0	0	0	0	0	0	0	0	0	0	0	0	0
Peter Piro	0	9	21	0	33	33	0	0	10	1	0	0	107
Rebecca Pontes	1	0	0	2	6	5	0	0	3	0	0	0	17
Sonja Farak	4	0	1	0	2	0	0	0	0	0	2	0	9
Stacey Desjardins	313	222	240	312	159	276	296	289	265	407	357	209	3345
Worcester/ELO	0	65	5	83	0	25	66	0	1	49	1	12	307
Zhi Yi Tan	79	94	117	114	254	293	101	78	22	34	121	44	1351
Total	1661	1850	1972	2207	2349	2811	1964	1740	1623	1566	1766	1311	22820
Frequency Missing = 17												

The SAS System

The FREQ Procedure

Table 5 of chem1name by monthanal												
Controlling for analyear=2011												
chem1name(chem1name)	monthanal											
Frequency	1	2	3	4	5	6	7	8	9	10	11	12	Total
Annie Dookhan	640	504	733	541	574	592	36	1	0	0	0	0	3621
Charles Salemi	12	14	19	28	28	10	19	0	0	0	0	0	130
Daniel Renczkowski	16	57	60	22	23	19	17	9	0	0	0	0	223
Daniela Frasca	65	83	206	93	0	89	60	27	0	0	0	0	623
Della Saunders	105	135	43	13	8	8	0	0	0	0	0	0	312
Elisabeth O'Brien	0	0	0	0	0	0	0	0	0	0	0	0	0
Hevis Lleshi	0	0	0	0	0	55	141	83	0	0	0	0	279
James Hanchett (B)	207	122	248	109	110	127	0	20	0	0	0	0	943
Kate Corbett	78	55	14	0	0	0	0	0	0	0	0	0	147
Lisa Glazer	34	103	74	117	33	0	0	0	0	0	0	0	361
Mai Ngoc Tran	55	93	102	77	92	85	74	56	0	0	0	0	634
Michael Lawler	82	119	62	65	107	26	72	26	0	0	0	0	559
Nicole Medina	0	0	0	0	1	44	30	28	0	0	0	0	103
PAUL SERVIZIO	0	0	0	0	9	0	5	3	0	0	0	0	17
Peter Piro	75	120	135	138	77	0	0	0	0	0	0	0	545
Rebecca Pontes	4	4	2	0	4	0	0	0	0	0	0	0	14
Sonja Farak	4	0	6	0	0	0	0	41	0	0	0	0	51
Stacey Desjardins	160	31	0	0	0	0	0	0	0	0	0	0	191
Worcester/ELO	34	24	28	60	0	64	0	0	0	0	0	0	210
Zhi Yi Tan	28	1	63	155	160	84	26	52	0	0	0	0	569
Total	1599	1465	1795	1418	1226	1203	480	346	0	0	0	0	9532
Frequency Missing = 3												

The SAS System

The FREQ Procedure

Table 6 of chem1name by monthanal												
Controlling for analyear=2015												
chem1name(chem1name)	monthanal											
Frequency	1	2	3	4	5	6	7	8	9	10	11	12	Total
Annie Dookhan	0	0	0	0	0	0	0	0	0	0	0	0	0
Charles Salemi	0	0	0	0	0	0	0	0	0	0	0	0	0
Daniel Renczkowski	0	0	0	0	0	0	0	0	0	0	0	0	0
Daniela Frasca	0	0	0	0	0	0	0	0	0	0	0	0	0
Della Saunders	0	0	0	0	0	0	0	0	0	0	0	0	0
Elisabeth O'Brien	0	0	0	0	0	0	0	0	0	0	0	0	0
Hevis Lleshi	0	0	0	0	0	0	0	0	0	0	0	0	0
James Hanchett (B)	0	0	0	0	0	0	0	0	0	0	0	0	0
Kate Corbett	0	0	0	0	0	0	0	0	0	0	0	0	0
Lisa Glazer	0	0	0	0	0	0	0	0	0	0	0	0	0
Mai Ngoc Tran	0	0	0	0	1	0	0	0	0	0	0	0	1
Michael Lawler	0	0	0	0	0	0	0	0	0	0	0	0	0
Nicole Medina	0	0	0	0	0	0	0	0	0	0	0	0	0
PAUL SERVIZIO	0	0	0	0	0	0	0	0	0	0	0	0	0
Peter Piro	0	0	0	0	0	0	0	0	0	0	0	0	0
Rebecca Pontes	0	0	0	0	0	0	0	0	0	0	0	0	0
Sonja Farak	0	0	0	0	0	0	0	0	0	0	0	0	0
Stacey Desjardins	0	0	0	0	0	0	0	0	0	0	0	0	0
Worcester/ELO	0	0	0	0	0	0	0	0	0	0	0	0	0
Zhi Yi Tan	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	1	0	0	0	0	0	0	0	1

The SAS System

The FREQ Procedure

Table 7 of chem1name by monthanal												
Controlling for analyear=2020												
chem1name(chem1name)	monthanal											
Frequency	1	2	3	4	5	6	7	8	9	10	11	12	Total
Annie Dookhan	0	1	0	0	0	0	0	0	0	0	0	0	1
Charles Salemi	0	0	0	0	0	0	0	0	0	0	0	0	0
Daniel Renczkowski	0	0	0	0	0	0	0	0	0	0	0	0	0
Daniela Frasca	0	0	0	0	0	0	0	0	0	0	0	0	0
Della Saunders	0	0	0	0	0	0	0	0	0	0	0	0	0
Elisabeth O'Brien	0	0	0	0	0	0	0	0	0	0	0	0	0
Hevis Lleshi	0	0	0	0	0	0	0	0	0	0	0	0	0
James Hanchett (B)	0	0	0	0	0	0	0	0	0	0	0	0	0
Kate Corbett	0	0	0	0	0	0	0	0	0	0	0	0	0
Lisa Glazer	0	0	0	0	0	0	0	0	0	0	0	0	0
Mai Ngoc Tran	0	0	0	0	0	0	0	0	0	0	0	0	0
Michael Lawler	0	0	0	0	0	0	0	0	0	0	0	0	0
Nicole Medina	0	0	0	0	0	0	0	0	0	0	0	0	0
PAUL SERVIZIO	0	0	0	0	0	0	0	0	0	0	0	0	0
Peter Piro	0	0	0	0	0	0	0	0	0	0	0	0	0
Rebecca Pontes	0	0	0	0	0	0	0	0	0	0	0	0	0
Sonja Farak	0	0	0	0	0	0	0	0	0	0	0	0	0
Stacey Desjardins	0	0	0	0	0	0	0	0	0	0	0	0	0
Worcester/ELO	0	0	0	0	0	0	0	0	0	0	0	0	0
Zhi Yi Tan	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	1	0	0	0	0	0	0	0	0	0	0	1

The SAS System

The FREQ Procedure

Table 8 of chem1name by monthanal												
Controlling for analyear=2044												
chem1name(chem1name)	monthanal											
Frequency	1	2	3	4	5	6	7	8	9	10	11	12	Total
Annie Dookhan	0	0	0	0	1	0	0	0	0	0	0	0	1
Charles Salemi	0	0	0	0	0	0	0	0	0	0	0	0	0
Daniel Renczkowski	0	0	0	0	0	0	0	0	0	0	0	0	0
Daniela Frasca	0	0	0	0	0	0	0	0	0	0	0	0	0
Della Saunders	0	0	0	0	0	0	0	0	0	0	0	0	0
Elisabeth O'Brien	0	0	0	0	0	0	0	0	0	0	0	0	0
Hevis Lleshi	0	0	0	0	0	0	0	0	0	0	0	0	0
James Hanchett (B)	0	0	0	0	0	0	0	0	0	0	0	0	0
Kate Corbett	0	0	0	0	0	0	0	0	0	0	0	0	0
Lisa Glazer	0	0	0	0	0	0	0	0	0	0	0	0	0
Mai Ngoc Tran	0	0	0	0	0	0	0	0	0	0	0	0	0
Michael Lawler	0	0	0	0	0	0	0	0	0	0	0	0	0
Nicole Medina	0	0	0	0	0	0	0	0	0	0	0	0	0
PAUL SERVIZIO	0	0	0	0	0	0	0	0	0	0	0	0	0
Peter Piro	0	0	0	0	0	0	0	0	0	0	0	0	0
Rebecca Pontes	0	0	0	0	0	0	0	0	0	0	0	0	0
Sonja Farak	0	0	0	0	0	0	0	0	0	0	0	0	0
Stacey Desjardins	0	0	0	0	0	0	0	0	0	0	0	0	0
Worcester/ELO	0	0	0	0	0	0	0	0	0	0	0	0	0
Zhi Yi Tan	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	1	0	0	0	0	0	0	0	1

The SAS System

The FREQ Procedure

Table 1 of chem2name by monthanal
Controlling for analyear=1900
Effective Sample Size = 0
Frequency Missing = 4323

Table 2 of chem2name by monthanal												
Controlling for analyear=2008												
chem2name(chem2name)	monthanal											
Frequency	1	2	3	4	5	6	7	8	9	10	11	12	Total
Annie Dookhan	0	0	0	0	0	0	0	0	0	0	0	0	0
Daniel Renczkowski	0	0	0	0	0	0	0	0	0	0	0	0	0
Della Saunders	0	0	0	0	0	0	0	0	0	0	0	0	0
Kate Corbett	0	0	0	0	0	0	0	0	0	0	0	0	0
Lisa Glazer	0	0	0	0	0	0	0	0	0	0	0	0	0
Nicole Medina	0	0	0	0	0	0	0	0	0	0	0	0	0
PAUL SERVIZIO	0	0	0	0	0	0	0	0	0	0	0	0	0
Peter Piro	0	1	0	0	0	0	0	0	0	0	0	0	1
Total	0	1	0	0	0	0	0	0	0	0	0	0	1

Table 3 of chem2name by monthanal												
Controlling for analyear=2009												
chem2name(chem2name)	monthanal											
Frequency	1	2	3	4	5	6	7	8	9	10	11	12	Total
Annie Dookhan	0	7	23	57	35	119	23	261	129	403	203	327	1587
Daniel Renczkowski	9	13	42	29	47	14	73	131	71	0	30	46	505
Della Saunders	10	29	29	59	36	63	143	140	110	85	244	226	1174
Kate Corbett	0	9	0	0	0	0	0	0	0	9	108	314	440
Lisa Glazer	0	0	0	0	0	0	0	0	0	0	0	0	0
Nicole Medina	0	0	0	0	0	0	0	0	0	0	0	0	0
PAUL SERVIZIO	0	0	0	0	0	0	21	0	0	0	0	16	37
Peter Piro	2	22	22	52	45	87	125	60	190	175	203	132	1115
Total	21	80	116	197	163	283	385	592	500	672	788	1061	4858
Frequency Missing = 5237												

The SAS System

The FREQ Procedure

Table 4 of chem2name by monthanal													
Controlling for analyear=2010													
chem2name(chem2name)	monthanal												
Frequency	1	2	3	4	5	6	7	8	9	10	11	12	Total
Annie Dookhan	415	401	421	337	376	712	482	351	456	311	411	259	4932
Daniel Renczkowski	53	129	219	302	213	76	142	203	124	195	228	153	2037
Della Saunders	194	410	295	252	254	286	131	170	88	34	117	92	2323
Kate Corbett	176	39	190	213	143	249	330	251	236	179	264	202	2472
Lisa Glazer	0	0	0	0	0	0	0	0	0	0	0	0	0
Nicole Medina	0	0	0	0	0	0	0	0	0	0	0	0	0
PAUL SERVIZIO	0	0	0	0	12	0	0	0	12	0	0	0	24
Peter Piro	131	320	95	145	303	186	90	50	124	64	122	157	1787
Total	969	1299	1220	1249	1301	1509	1175	1025	1040	783	1142	863	13575
Frequency Missing = 9262													

Table 5 of chem2name by monthanal													
Controlling for analyear=2011													
chem2name(chem2name)	monthanal												
Frequency	1	2	3	4	5	6	7	8	9	10	11	12	Total
Annie Dookhan	299	178	179	220	119	94	37	0	0	0	0	0	1126
Daniel Renczkowski	171	100	217	142	172	80	22	152	0	0	0	0	1056
Della Saunders	13	150	98	132	108	79	41	6	0	0	0	0	627
Kate Corbett	237	204	88	1	1	1	0	0	0	0	0	0	532
Lisa Glazer	143	18	242	257	271	212	0	1	0	0	0	0	1144
Nicole Medina	0	0	0	0	0	22	136	3	0	0	0	0	161
PAUL SERVIZIO	0	11	0	0	0	0	0	0	0	0	0	0	11
Peter Piro	0	124	110	38	79	56	75	18	0	0	0	0	500
Total	863	785	934	790	750	544	311	180	0	0	0	0	5157
Frequency Missing = 4378													

Table 6 of chem2name by monthanal
Controlling for analyear=2015
Effective Sample Size = 0
Frequency Missing = 1

The SAS System

The FREQ Procedure

Table 7 of chem2name by monthanal
Controlling for analyear=2020
Effective Sample Size = 0
Frequency Missing = 1

Table 8 of chem2name by monthanal												
Controlling for analyear=2044												
chem2name(chem2name)	monthanal											
Frequency	1	2	3	4	5	6	7	8	9	10	11	12	Total
Annie Dookhan	0	0	0	0	0	0	0	0	0	0	0	0	0
Daniel Renczkowski	0	0	0	0	0	0	0	0	0	0	0	0	0
Della Saunders	0	0	0	0	0	0	0	0	0	0	0	0	0
Kate Corbett	0	0	0	0	0	0	0	0	0	0	0	0	0
Lisa Glazer	0	0	0	0	1	0	0	0	0	0	0	0	1
Nicole Medina	0	0	0	0	0	0	0	0	0	0	0	0	0
PAUL SERVIZIO	0	0	0	0	0	0	0	0	0	0	0	0	0
Peter Piro	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	1	0	0	0	0	0	0	0	1